

Additional notes on Uredinales of Shikoku

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These notes are intended to be supplementary to "Uredinales of Shikoku" published in Memoirs of the Tottori Agricultural College, vol. III, pp. 249-377.

Additional species

1) **Milesina Asplenii-incisi** (FAULL) HIRATSUKA, f. in Mem. Tottori Agric. Coll. IV, p. 144 & pl. IV, fig. 2, 1936. (HIRATSUKA, f. in Jour. Jap. Bot. XV, p. 439, 1939).

On *Asplenium incisum* THUNB. (*Toranowo-shida*). Prov. Sanuki: Yashima-machi (Sept. 25, 1938, S. HIRATA); Tawa-mura (May 21, 1939, S. HIRATA).

2) **Phakopsora Nishidana** ITO in ITO & HOMMA in Transact. Sapporo Nat. Hist. Soc. XV, p. 117, 1938. (HIRATSUKA, f. in Jour. Jap. Bot. XV, p. 439, 1939).

On *Ficus erecta* THUNB. (*Imu-biwa*). Prov. Sanuki: Yashima-machi (Sept. 4, 1938, S. HIRATA); Hirai-machi (Sept. 17, 1938, S. HIRATA).

3) **Chrysomyxa Tsugae** HIRATSUKA, f. in Jour. Jap. Bot. XIII, p. 246, 1937. (HIRATSUKA, f. in Jour. Jap. Bot. XIV, p. 33, 1938).

On *Tsuga Sieboldi* CARR. (*Tsuga*). Prov. Tosa: Oreai-yama (Taishô-mura) (June 4, 1937, T. WADA).

4) **Xenodochus carbonarius** SCHLECHTENDAL in Linnaea, I, p. 237, 1826.

On *Sanguisorba officinalis* L. (*Waremokô*). Prov. Sanuki: Shionoe-mura (Sept. 7, 1939, S. HIRATA); Nagao-machi (July 28, 1939, S. HIRATA). New to Shikoku!

5) **Phragmidium Potentillae** (PERS.) KARSTEN, Myc. Fenn. IV, p. 49, 1879.

On *Potentilla chinensis* SER. (*Kawarasaiko*). Prov. Sanuki: Shiratori-machi (Sept. 2, 1939, S. HIRATA). New to Shikoku!

6) **Puccinia Caricis-rhizopodae** MIURA in ITO & HOMMA in Transact. Sapporo Nat. Hist. Soc. XV, p. 125, 1938.

On *Carex rhizopoda* MAXIM. f. *longioris* MAXIM. (*Shirako-suge*). Prov. Tosa : Sako-mura (Dec. 6, 1908, T. YOSHINAGA).

7) **Puccinia Halorrhagidis** SYDOW in Ann. Myc. XI, p. 98, 1913.

On *Halorrhagis micrantha* R. BR. (*Arinotôgusa*). Prov. Sanuki : Unpenji-yama (Aug. 10, 1939, S. HIRATA). New to Shikoku !

8) **Puccinia Lolii** NIELSEN, Ugeskrift for Landwend. IX, p. 549, 1875. (HIRATSUKA, f. in Jour. Jap. Bot. XIV, p. 560, 1938).

On *Avena fatua* L. (*Karasu-mugi*). Prov. Tosa : Sakawa-machi (July 6, 1936, T. YOSHINAGA).

9) **Puccinia orbicula** PECK et CLINTON in PECK in Ann. Rept. New York State Mus. XXX, p. 53, 1879. (HIRATSUKA, f. in Jour. Jap. Bot. XIV, p. 560, 1938).

On *Prenanthes acerifolia* BENTH. (*Fukuwôsô*). Prov. Iyo : Omogô-yama (Aug. 8, 1928, T. YOSHINAGA).

10) **Aecidium Meliosmae-myrianthae** HENNINGS et SHIRAI in HENNINGS in ENGL. Bot. Jahrb. XXVIII, p. 264, 1900. (HIRATSUKA, f. in Jour. Jap. Bot. XIV, p. 36, 1938).

On *Meliosma myriantha* SIEB. et ZUCC. (*Awabuki*). Prov. Tosa : Higashi-toyonaga-mura (May 31, 1937, T. YOSHINAGA). Prov. Sanuki : Tawa-mura (May 21, 1939, S. HIRATA).

Additional hosts

31) **Thekopsora Myrtillina** KARSTEN (HIRATSUKA, f. in Jour. Jap. Bot. XV, p. 621, 1939).

On *Vaccinium Oldhami* MIQ. (*Natsu-haze*). Prov. Sanuki : Hirai-machi (Sept. 17, 1938, S. HIRATA) ; Yashima-machi (Sept. 25, 1938, S. HIRATA).

74) **Tranzschelia Pruni-spinosae** (PERS.) DIETEL (HIRATSUKA, f. in Jour. Jap. Bot. XV, p. 623, 1939).

On *Anemone nikoensis* MAXIM. (*Ichirinsô*). Prov. Tosa : Toyonaga-mura (May 7, 1936, T. YOSHINAGA).

92) **Gymnosporangium Amelanchieris** FISCHER

On *Juniperus rigida* SIEB. et ZUCC. (*Nezu*). Prov. Sanuki: Hirai-machi (April 25, 1939, S. HIRATA).

173) **Puccinia Horianae** HENNINGS.

On *Chrysanthemum indicum* L. (*Shima-kangiku*). Prov. Tosa: Tosayama-mura (April 29, 1938, T. YOSHINAGA).

185) **Puccinia Glyceriae** ITO.

On *Glyceria tonglensis* CLARKE (*Dojyôtsunagi*). Prov. Awa: Komatsushima-machi (Nov. 18, 1935, T. YOSHINAGA).

270) **Aecidium Vincetoxici** HENNINGS et SHIRAI.

On *Cynanchum caudatum* MAXIM. (*Ikema*). Prov. Tosa: Uranouchi-mura (June 12, 1937, T. YOSHINAGA).

昭和 10 年、筆者ハ吉永虎馬氏ト共著ニテ四國銹菌誌 (Uredinales of Shikoku) (鳥取高等農業學校學術報告、第三卷、p. 249~377) ヲ公表セルガ、其後吉永先生及ビ木田農業學校教諭平田正一氏ヨリ送附ヲ受ケタル多數ノ標品中ニ同誌ニ未登載ノ種類 10 種ヲ檢出シ得タレバ、コヽニ四國銹菌誌補遺トシテ列擧スル事トナセリ。

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